

ELECTROAIR®

KU 02, 05, 06 Shielded & Jacketed



- 1 • Tinned copper core
- 2 • Fluorinated polymer ETFE
- Assembling version by pair (KU 05)
triple (KU 06)
- 3 • Tinned copper braid
- 4 • Fluorinated polymer ETFE

Standards and approvals

Construction:

- NF C 93-524

Performances:

- IEC 60332-1
- C2 NF C 32-070
- FAR 25

Colour code

- KU 02 = White jacket and White core
- KU 05 = White jacket and Blue / White cores
- KU 06 = White jacket and White / Blue / Orange cores

For any other request: please contact us

Applications

Electrical lightweight cables used in electronic equipments for aircraft, missile systems or aeronautical test benches

Characteristics

• Thermal

Continuous operating temperature: **-55°C to +150°C**

• Electrical

Operating voltage: 600 V RMS

• Mechanical

Resistance to abrasion: ★★★★★

• Chemical

Resistance to chemical environments: ★★★★★

Resistance to humidity: ★★★★★

Resistance to aircraft fluids: ★★★★★

• Fire-smoke

Flame retardant

IEC 60332-1 / C2 NF C 32-070 / FAR 25

• Radiation proof

Excellent resistance

KU 02

AWG	Cross Section (mm ²)	Stranding (n x mm)	Cable outer diameter (mm)		Approx. linear weight (kg / km)	Maximum linear resistance at 20°C (Ω / km)
			Mini	Maxi		
30	0.06	7 x 0.10	1.23	1.43	4.0	365.4
28	0.09	7 x 0.13	1.29	1.49	5.3	208.0
26	0.14	19 x 0.10	1.41	1.61	5.5	128.7
24	0.22	19 x 0.13	1.61	1.81	8.8	76.6
22	0.34	19 x 0.16	1.86	2.06	10.0	50.3
20	0.60	19 x 0.20	2.28	2.48	14.8	32.1
18	0.93	19 x 0.25	2.61	2.91	21.4	20.6
16	1.34	19 x 0.30	2.81	3.11	29.7	14.3
14	1.91	37 x 0.25	3.17	3.47	34.5	10.6
12	3.09	37 x 0.32	3.70	4.00	48.8	6.5

KU 05

AWG	Cable outer diameter (mm)		Approx. linear weight (kg / km)
	Mini	Maxi	
30	1.98	2.22	8.5
28	2.10	2.34	11.7
26	2.32	2.62	12.1
24	2.62	2.91	18.8
22	2.99	3.30	21.1
20	3.81	4.13	29.2
18	4.36	4.72	39.3
16	4.76	5.12	49.5
14	5.52	5.92	65.7
12	6.53	7.03	96.7

KU 06

AWG	Cable outer diameter (mm)		Approx. linear weight (kg / km)
	Mini	Maxi	
30	2.19	2.43	11.4
28	2.31	2.55	14.6
26	2.54	2.82	15.7
24	2.74	3.05	23.8
22	3.15	3.46	26.4
20	4.06	4.38	39.8
18	4.66	4.98	53.7
16	5.09	5.40	68.7
14	5.87	6.31	92.8
12	7.01	7.47	137.4

CGP SAS
62 route du Coin
42400 Saint-Chamond
FRANCE
Phone: **+33 (0)4 77 31 02 54**
www.omerin.com



www.omerin.com

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For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.

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